

Search Report from Ginger R. DeMille

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File 340:CLAIMS(R)/US Patent 1950-03/Jun 03

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File 388:PEDS: Defense Program Summaries 1999/May

(c) 1999 Forecast Intl/DMS

File 652:US Patents Fulltext 1971-1975

(c) format only 2002 The Dialog Corp.

File 654:US PAT.FULL. 1976-2003/Jun 03

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Set	Items	Description
S1	63	(GATHER? OR COLLECT? OR OBTAIN?)(2N)(FEEDBACK OR FEED()BACK OR RESPONSE()DATA)(S)CONTROLLER?(S)(NETWORK? OR INTERNET? OR INTRANET?)(S)(MODIF? OR CHANG? OR ALTER? OR UPDAT?)(3N)(FILE? ? OR DATA)

? t1/3,k/all

1/3,K/53 (Item 48 from file: 654)  
DIALOG(R)File 654:US PAT.FULL.  
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3745576 \*\*IMAGE Available  
Derwent Accession: 1996-341887

Utility

REASSIGNED, EXPIRED, REINSTATED

E/ Method and apparatus for implementing user feedback

Inventor: Boulton, David A., Los Gatos, CA  
Vucenic, Wayne, Cupertino, CA  
Stallings, John P., Campbell, CA

Assignee: DiaCom Technologies, Inc. (02), Seattle, WA  
DiaCom Tech Inc

Examiner: Bayerl, Raymond J. (Art Unit: 245)

Law Firm: Hickman Beyer & Weaver

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5537618	A	19960716	US 94362801	19941222
CIP	Abandoned			US 93173962	19931223

Fulltext Word Count: 38417

Description of the Invention:

...disk drive 26, a floppy disk drive 27, a CD ROM 28, and/or a  
**network** interface card 29 for linking the computer system 10 to other  
computer systems. Additionally, a...

...environment, which can include such organizational systems as a computer  
educational system implemented on several **networked** computers and used  
to teach course material to students. Another learning environment may  
take the...departmental problems to help the employer improve the working  
environment. A user of a computer **network** can send feedback to a system  
operator about a **network** performance issue that the operator has  
brought to every user's attention, and so on...

...storage block 44. In the described embodiment, block 44 includes a  
database, accessible through a **network**, which stores the feedback  
information sent by the user of feedback interface 42. **Alternatively**,  
feedback **data** can be stored on storage devices local to a feedback  
recipient, such as on a hard disk drive of computer system 10, and, for  
example, mailed throughout a **network** when so requested. Block 44  
provides the feedback information in the database to specific author...  
reviewer receives the feedback information at his or her own computer  
system preferably through a **network** system connecting the computers in  
the entire system. Such a **network** system can be implemented, for  
example, using a **network** interface card 29 connected to a  
computer-system 10 as shown in FIG. 1. Other...hierarchically shown in  
FIG. 28, can be stored in a feedback record and include the **network**  
type and current node of the computer environment implementing the  
feedback interface, the hardware platform...that word processing program  
was being used with the same operating system, hardware platform, and  
**network** as the feedback interface, then all of the technical attributes  
correctly describe the context of...

...this information could be stored on a database connected to the feedback interface via a **network**. The information could then be automatically retrieved by the feedback interface. Similarly to the technical...service (which can include, for example, a physical location in space or within an organization, **network**, etc.), and corresponds to the "where" general attribute as shown in FIG. 28. For example...of a method 280 of using the feedback system of the present invention for the **collection** of **feedback**. The method starts in a step 282, and, in a step 284, a user or ...is passed from the computer environment that the user was navigating to the feedback system **controller**. This information may allow the feedback system to quickly fill in the technical attributes explained...implemented on the computer system, step 624 can be skipped. In next step 616, the **network** characteristics of the system implementing the feedback interface 42 are retrieved and the **network** type and **network** address are stored in the feedback record. **Network** characteristics include the **network** operating system type (vendor, company, etc. and **network** system version), the **network** address of the user, and any other information concerning the **network** connecting the computer environment to other computers. This information is typically available to other programs or the feedback system through the **network** operating system. In step 618, the hardware platform characteristics are retrieved and inserted into the...

...used by the user are retrieved and inserted into the feedback record, similarly to the **network** and application program characteristics described above. In step 626, the name and location of the...at an earlier date, for example, or might be discernable from a database over a **network**. These attributes are inserted into the feedback record into appropriate fields, such as those included...FIG. 35 is a flow diagram illustrating an alternate method 660 of **collecting feedback** in a feedback system of the present invention. The method 660 is directed towards a feedback interface which presents options and **collects feedback** using voice input and audio output. Such an embodiment can be utilized, for example, in...

...user's inputs in such a system are typically processed using a computer system or **controller**.

...is described in greater detail below with reference to FIG. 27. In step 440, the **data** display is **updated** with the processed changes, and the process then is complete as indicated in step 441...spirit or scope of the invention. Particularly, although specific user interfaces have been described for **obtaining** the **feedback** records, it should be apparent that a wide variety of different display based interfaces can be used to **obtain** the desired **feedback**. In addition to display based interfaces, the interfaces could be voice activated or receive inputs...

1/3,K/40 (Item 35 from file: 654)

DIALOG(R)File 654:US PAT.FULL.

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4156199 \*\*IMAGE Available

Derwent Accession: 1997-258576

**Utility**

**E/ Method and apparatus for transmitting and displaying information between a remote network and a local computer**

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Barkat, Eli, Jerusalem, IL

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Examiner: An, Meng-Ai T. (Art Unit: 273)

Assistant Examiner: Davis, Jr., Walter D.

Law Firm: Skadden, Arps et al.

	Publication Number	Kind	Date	Application Number	Filing Date
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Main Patent	US 5913040	A	19990615	US 95517666	19950822

Fulltext Word Count: 9424

Description of the Invention:

...1. **Network Architecture...**

...preferred embodiment of the system architecture. The Local Computer 500 is physically connected to the **Network** Service Provider 701 via a Communications Link 703. The **Network** Service Provider 701 provides access to the **Network** 700. Advertising System Server 600 is one of the nodes on the **Network** 700...Computer 500 preferably includes a Central Processor 510, a Main Memory 511, an Input/Output **Controller** 512, a Display Device 513, input devices such as a Keyboard 514 and a Pointing ...

...connected to an internal or external Modem 520 or like device for communication with the **Network** 700. Alternatively, the Local Computer 500 may be connected via an ISDN adapter and an ISDN line for communications with the **Network** 700. The Modem 520 optionally allows for the establishment of voice calls through software control...b.  
**Network**

...

...The **Network** 700 is preferably the World-Wide **Internet** . The World-Wide **Internet** (" **Internet** ") is a world-wide **network** connecting thousands of computer **networks** . The dominant protocol used for transmitting information between computers on the **Internet** is the TCP/IP **Network** Protocol. Computers connect to the **Internet** either a fixed connection, in which case they become a "permanent" node on the **Internet** , or a dial-up connection, in which case they act as a node on the **network** as long as the connection is active. **Internet** addresses are the numbering system used in TCP/IP communications to specify a particular **network** or computer on the **network** with which to communicate...

...Online Inc., CompuServe, available from H&R Block Inc., Prodigy,

available from Prodigy Services, Microsoft **Network** , available from Microsoft Corp., as well as other like services from a variety of companies...

...c. **Network** Service Provider...

...The **Network** Service Provider 701 provides access to the **Network** 700. Commercial providers include: BBN, ...are to store Advertisements 50, transfer the Advertisements 50 to the Local Computer 500, and **collect** user **feedback** . The Local Computer 500 will initiate communication with the Advertising System Server 600. Each user...be stored on any one of the plurality of advertising system servers connected to the **Network** 700. In this embodiment, the Local Computer 500 initiates communication with a predetermined advertising system...

...advertising system server will select the next Advertisement 50 to be downloaded and transmit the **network** address of the advertising system server storing the Advertisement 50. The Local Computer 500 uses the transmitted **network** address to request the selected Advertisement 50 from the appropriate advertising system server...Thus, the Job Manager address returned to the Local Computer 500 may contain both the **Internet** address of the server ...The Job Manager 720 creates a **Network** Job 725 for each user it communicates with. Each **Network** Job 725 communicates with the Local Computer 500 to select and download Advertisements 50; **collect feedback** from the Local Computer 500; check the user's participation and any awards from contests, etc.; and upgrades and installs the Local Computer 500 software versions. The **Network** Job 725 is responsible for selecting the next downloaded Advertisement 50 based on user configuration...

...Under most current **network** models, including the current implementation of the **Internet** , users are typically charged based on the amount of time they are connected to specific resources on the **network** . Thus, the current system of downloading advertisements and other information in the background does not...

...user, as transmission occurs in background mode while the user is already connected to the **network** Service Provider 701. Future implementations of these **networks** , however, may charge users based on the amount of information, or number of **network** "packets" or other units of data, the user has received. On such **networks** , the system should be able to track the amount of information transmitted, such as by counting the number advertisements, advertisement resources, or **network** packets (also known as "datagrams"), frames, segments or other units of **network** data containing advertisements. The **Network** Service Provider 701 may use this information to charge the system generated transmissions to the advertisers rather than the users. The Advertisement System Server 600, and most preferably the **Network** Job 725, will be responsible for tracking the amount of information transmitted by the system...

...the Advertisements 50 or other informational content; listings of users; listings of advertisers; listings of **network** service providers; billing information; audit logs and statistics. The Server Database 730 also maintains information provides various management services, such as billing information, viewing and **gathering** statistics on **feedback** information, and advertisement display audit-logs which may be sorted according to various filters such...Saver Subsystem 220, User Preference

and Advertisements Database 230, Feedback Manager 240, Advertisements Feeder 250, **Internet** Feedback 260, Advertisement Killer 275, Scheduler 265, **Internet** Feeder 270, TCP/IP Polite Agent 280, TCP/IP Protocol Stack 290, and PPP-TCP...Over Modem Protocol Subsystem 295 handle the lower level details of transferring information to the **Network** 700. The TCP/IP Polite Agent 280 is responsible for monitoring the communications line utilization...The general mechanisms and protocols for communicating with a **network**, such as the **Internet**, or on-line service, are known in the art. See, e.g., Stallings, W., Data...

...Macmillan Publishing Co., (1988). The preferred embodiment utilizes the TCP/IP protocol (Transport Control Protocol/**Internet** Protocol) which is also well known in the art. See, e.g., Martin J., TCP/IP **Networking**, PTR Prentice Hall (1994). The disclosure of each of the foregoing is hereby incorporated by calls for communicating with other application programs connected to the **Network** 700. Thus the application programs, here the TCP/IP Polite Agent 280, do not have...a) The Advertising System Server 600 **Internet** name or **Internet** address...f) Whether feedback information may be sent to the **Network** 700...this information in selecting the next advertisement to be transmitted. The user preference and configuration **data** may **alternatively** be stored on the Advertising System Server 600...

...The Job Manager 720 on the **Network** Server 600 matches the user preferences and configuration data against the category information for the...to browse through Advertisements 50 stored on their local system (hard disk or local LAN **network**), as well as those Advertisements 50 available from the **Network** 700. For Advertisements 50 stored locally, whether downloaded from the **Network** 700 to the User Preference and Advertisement Database 230 or available on a Local Advertisement...

...201 displays a menu with the available Advertisements 50. Each Advertisement 50 stored on the **Network** 700 or Local Advertisement Database 550 may optionally include a preview segment. The user may...

...user may then select the particular advertisement to be displayed. For Advertisements stored on the **Network** 700, the Advertising System Server 600 will transmit a list of available Advertisements 50. Users... questioners, initiating a WEB browser to connect directly to an advertiser WEB page on the **Network** 700, or automatically initiating a voice connection through the Modem 520 to the advertiser...to the User Preference and Advertisement Database 230. Advertisements 50 preferably are provided from the **Internet** through the **Internet** Feeder 270, however, the Advertisements Feeder 250 is not dependent on the type of advertisement...but rather takes advantage of communications resources once the initial Communications Link 703 with the **Network** Service Provider 701 has been established, thus avoiding additional user charges

...

...resource utilization remains low and ample resources are available the software agent performs its designated **data** transfer task. **Alternatively**, if communications resource utilization becomes high due to other applications ...a response from) the Advertising System Server 600. See, e.g., J. Martin, TCP/IP **Networking**, PTR Prentice Hall Inc. (1994) (pages 147-48), the disclosure of which is hereby incorporated by reference. An alternative method is to "ping" the **Network** Service Provider 701...for a Polite Agent Job 285 embodying the present invention

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for transmitting data to the **Network 700**. The Polite Agent Job 285 first checks (step A) to see whether this is...285 transmits the name of the file, file position and file block contents to the **Network 700** via the TCP/IP Protocol Stack 290 (steps I, K). The Polite Agent Job 285 then **updates** the current **file** position and stores it on persistent storage, such as the Local Computer's Mass Storage...Agent Job 285 may consist of a true file type supported by the platform, or, **alternatively**, any block of **data** such as a database record...

...Polite Agent Job 285 uses this threshold to calibrate its operation by calculating how many **network** packets, bytes, or other units of data may be transferred without increasing the load beyond...550. In this embodiment, the Advertisements Feeder 250 includes the selection functionality described for the **Network Job 725** above. Selected Advertisements 50 are loaded into the User Preference and Advertisement Database...

1/3,K/32 (Item 27 from file: 654)

DIALOG(R)File 654:US PAT.FULL.

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4295680 \*\*IMAGE Available

Derwent Accession: 1999-050687

# Utility

## E/ Method for searching for network connection path

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Examiner: Vu, Viet D. (Art Unit: 278)

Law Firm: Antonelli, Terry, Stout & Kraus, LLP

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6041353	A	20000321	US 9863445	19980421
Priority				JP 97104728	19970422

Fulltext Word Count: 16143

## Description of the Invention:

...its operation after user's certification process. The operating system 110 also has a communication **controller** 121...is desired for the computer B to access one of computers belonging to a sub- **network** to which IP packets cannot be sent directly in a TCP/IP **network** , the computer B must be once logically connected to the sub- **network** of the target computer through its `telnet` or `rlogin` process and then be connected to...

...the computer B 102, by a user of the computer A 101 controlling its communication **controller** 121...through the application process 120 activated by the computer A 101 to control its communication **controller** 121, thus activating the application process 120 of the computer C 103... the two computers is shown by a communication port 130 in FIG. 1. The communication **controller** 121 functions to logically allocate the communication port 130 for each application process 120. Thus...a main memory 201 for storing data necessary for various sorts of calculations therein, a **network controller** 203 for controlling input/output of data to be transferred between my computer and such a physical communication as communication line 205 or a local area **network** 204, and a disk **controller** 207 for control of input/output of data to be transferred with a disk unit...

...The operations of the operating system 110, application process 120, communication **controller** 121 and access log recorder 111 shown in FIG. 1 are realized actually when the...



...120 and processing procedures for control of the main memory 201, disk unit 206 and **network controller** 203, are also described in the operating system 110...will next be made as to the basic principle of how to search for a **network** connecting path in accordance with the present invention, by referring to FIG. 3. Now, the basic principle of the method for searching for a **network** connecting path in accordance with the present invention will be explained in connection with a...The first embodiment is intended to dynamically embody the basic principle of the aforementioned **network** connecting path searching method in cooperation...Each of the computers belonging to the **network** system always monitors whether or not the user who activated the application process on its...of FIG. 5 and the user time 609 of the user. In this case, the **data** length 603 is **modified** .  
...

...FIG. 5 collectively to the (m-1)-th computer, in which case the collectively sent **response data** correspond to **collective response data** 700 ...More in detail, as shown in FIG. 7, the **collective response data** 700 has a tag 701 indicative of the **collective response data** , the number 702 of response data, a data length 703 and individual response data 704...

...Parts of the **collective response data** 700 transferred from the m-th computer to the (m-1)-th computer correspond to...

...the user time of the user, as response data 704. In this case, however, the **data** length 603 is **modified** and the contents indicative of 'success' is set in the successful or unsuccessful search field first computers, when receiving the **response data** (actually **collective response data** ) from all the computers to which its own computer sent the searching data, **collects** the **collective response data** and all the response data stored in the step 506 of FIG. 5 to have the same data format as such a **collective response data** 700 as shown in FIG. 7; and then sends it to the computer which sent...

...own computer. However, when the my computer fails, within the predetermined time, to receive the **collective response data** from all the computers to which my computer sent the searching data, my computer uses...

...Since the **collective response data** received by the searching originator computer contains a **collection** of the **response data** indicative of connecting paths from the computers as the candidates of the logical connection originator...

...to the searching originator computer; the searching originator computer, on the basis of the received **collective response data** , can display on the screen the candidates of the logical connection originator computer and candidates...user, searching can be carried out on a real time and parallel basis and the **response data** can be **collectively** sent, which results in that the searching load of the **network** can be suppressed and minimized...

...the foregoing first embodiment, the searching procedure may be carried out, for example, when a **network** administrator enters a commandIn the latter case, when it is desirable for the **network** administrator to

examine the access log recorded in a given computer to detect a user who the administrator wants to handle as the search objective user, the **network** administrator is only required to enter in the computer a search indication command instructing a...For example, in the case of the **network** of a company, when a user wants to use a computer installed in a research...user when the actual operational time zone (e.g., in the case of a company **network**, the working time of the company) of a **network** system is used as the predetermined time zone in the third condition, because the illegal...such a user as to satisfy the latter of the fourth condition rarely uses the **network** system, there is a possibility that the user identifier of such a user may be...In a large-scale **network** system, its searching range becomes large. The searching range can be limited by aborting the...As has been mentioned above, even in a large-scale **network** system, its effective searching can be realized by reducing the number of candidates obtained by...second embodiment is when the basic principle of the aforementioned method for searching for a **network** connecting path is dynamically implemented so that computers are cooperative under control of a **network** managing computer...

- ...Shown in FIG. 8 is an example of arrangement of a **network** system in accordance with the second embodiment...
- ...802 to 807 denote computers 1 to 6. In an example of FIG. 8, 5 **networks** of department **networks** 1 (808) to 5 (812) are physically connected to each other via a base **network** 813...Subsequently, the searching originator computer, when receiving **response data** ( **collective response data** ) from the computer which transmitted the searching data and searching agent (...The searching data and **collective response data** have the same data formats as shown in FIGS. 6 and 7...
- ...The **collective response data** received by the managing computer 801 from the searching originator computer **collectively** contain the **response data** indicative of respective connecting paths from the computers which become the candidates of the logical...
- ...computer logically connected to the searching originator computer. Thus on the basis of the received **collective response data**, the managing computer 801 can display on its screen the candidates of the logical connection...can search for the illegal user on a real-time and parallel basis and the **response data** are **collectively** transferred, whereby the load of the **network** necessary for the searching can be minimized...is not necessarily required and thus the managing computer 801 may be provided as a **network** system having substantially the same arrangement as the foregoing second embodiment. In the latter case, the searching originator computer may inform the managing computer 801 of the received **collective response data**, and the managing computer 801, on the basis of the informed **collective response data**, may display its screen the candidates of the logical connection originator computer logically connected to...whereby, at the time of transferring the response data, it is only required to simply **collect** all the **response data** received by my computer as well as all the response data previously stored by my...Although the use times of the users have been set in the searching data and **collective response data** in the foregoing first and second embodiments, this is not necessarily required for the searching...The third embodiment corresponds to a case where the basic principle of the above **network** connection-path searching method is applied so that a managing computer for management of a **network** is uniquely implemented...

...A **network** system in accordance with the third embodiment has substantially the same arrangement as FIG. 8...A **network** administrator examines the access logs stored in the access log storage database 1205 of the...

...user as the search objective user and a computer as the searching originator computer, the **network** administrator enters in the managing computer 1201 a search command indicative of a search instruction... managing computer 1201 can be reduced. Thus, even in the case of a large scale **network** system, effective searching can be realized...another modification may be allowed that the searching procedure is executed, for example, when the **network** administrator enters a ...With such an arrangement, when the **network** administrator examines the access logs collected by the managing computer 801 from the respective computers and finds the to-be search objective user, the **network** administrator can enter in the managing computer 801 a search command with the computer identifier...

1/3,K/7 (Item 2 from file: 654)

DIALOG(R)File 654:US PAT.FULL.

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4858122 \*\*IMAGE Available

Derwent Accession: 2002-434645

#### Utility

#### Interactive computer system and data analysis method

Inventor: Mundell, Thomas Owen, Kansas City, KS

Donner, Jeffery Lyle, Gladstone, MO

Assignee: SuperbServ, Inc. (02), Lee's Summitt, MO

Examiner: Dixon, Thomas A. (Art Unit: 369)

Law Firm: Thompson Coburn LLP

Combined Principal Attorneys: Chicoine, Caroline G.

	Publication Number	Kind	Date	Application Number	Filing Date
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Main Patent	US 6549890	A	20030415	US 97939415	19970829

Fulltext Word Count: 11633

#### Description of the Invention:

...20 is an Optrex 320X240 pixel graphic LCD, display processor 42 is an Epson IC **Controller**, processor 38 is a Motorola MC 68HC11 microprocessor, additional memory device 48 is a Mosel...from each display screen 22. Preferably, data type field 70 allows for up to fifteen **data** types. Screen **change** field 72 defines a screen change event which triggers a display screen 22 to change...75 for selecting a screen style, a data type form field 77 for selecting a **data** type, a screen **change** form field 79 for selecting a screen change event, and a timer control form field...screens table 90 for storing input program records 62, and in the case where user **response data** is being **collected**, at least one filter table such as filter table 94 for storing a plurality of...present invention has been described in connection with data device 12 of FIG. 2, the **data** device could **alternatively** be implemented on a personal computer or **network** having software which acts as a front-end software component of project database 47, rather...

...access a project database 47 stored either on the user's computer or on a **network** or **internet** server in order to create a user interface for providing information to and/or **collecting user response data** from the user. With such a configuration, screen table 90 may be accessed directly from...

...in order to determine what will be displayed on the user's computer. Any user **response data collected** from the user's computer can be stored directly in the appropriate data output field...

...12 to the necessary data collecting locations, as well as the need to transfer the **collected user response data** inputted to data device 12 to computer 14 via communications cable 16. An example of...to zero). If not, at 606 a check is made as to whether any user **response data** is being **collected** by the currently displayed display screen 22. If so, at 608, the user response data...The user **response data collected** by data device 12 is stored in an output record 5 within second memory

device 58. Once all of the user **response data** has been **collected**, it is then transferred to output table 92 of FIG. 16. Output table 92 is ...changes display screen 22 back to the first display screen 22 is activated, any user **response data collected** from the previous display screens 22 is stored in output record 5, and all of...

...that a new output record 5 may be created. With such a configuration, the user **response data collected** by data device 12 will be in the proper position to be read directly into...

...plurality of filters and corresponding filter criteria that can be used to analyze the user **response data collected** by data device 12. One preferred embodiment of two filter tables are shown in FIGS...

...device serial number filter 91 representing the serial number assigned to each data device 12 **collecting user response data**, and a location name filter 93 representing the name of the location of each data device 12 **collecting user response data** ...see FIG. 16) into which the input program records 62 are stored, and where user **response data** is being **collected**, filter tables 94, output table 92 and data analysis template tables 95 (as later explained...

...At 106, it must be determined whether data device 12 will be **collecting user response data** or merely providing information. If it will be **collecting user response data**, at 108, the user of computer 14 has the option of creating one or more...

...program by scanning screens table 90, and since data device 12 is being used to **collect user response data**, output table 92 may be created directly from screens table 90 for storing the output records 5 transferred from data device 12. If no user **response data** is being **collected** at 106, input text file 86 would be created at 107 by scanning screens table...output record 5 was created, and an data output field 124 representing the actual user **response data collected** by data device 12. As is shown in FIG. 13, output record 5 may also...

...197177 was created on Jul. 1, 1998 at 9:54 a.m. and the user **response data collected** by data device 12 for the first display screen 22 is a 1 byte integer value (as previously defined by input program record 62 of FIG. 5), and the user **response data collected** by the second to last display screen 22 is a timestamp...

...In the case where data device 12 is being used to **collect user response data** (rather than merely to provide data), once data device 12 has completed **collecting user response data**, data device 12 may then be reconnected to computer 14 to transfer the user response...16) or exported into another data analysis program such as Excel(R). Once the user **response data collected** by data device 12 has been loaded into output table 92, it may then be...must first be opened at 200 in order to begin the analysis of the user **response data collected** by data device 12. At 202, the data analyst will be asked to select a data model for analyzing the user **response data collected** by data device 12. The data models may include business process analysis, survey/customer satisfaction...data analysis template 35, at 220 the desired data analysis template 35 and corresponding user **response data collected** by data device 12 may be loaded on the data analyst's computer so that...and every graph defined in the graphical layout selected at 212 for

filtering the user **response data collected** by data device 12. The global filter criteria define filters to be applied for all...With such a configuration, a data analyst can simultaneously compare the same set of user **response data collected** by data device 12 based on different global filter criteria. Using the group and standard...template tables and corresponding data analysis templates and features thereof may be automatically and selectively **changed** by the **data** analyst at any time after they have been created...

...include a layout style field 254 which defines the graphical layout for displaying the user **response data collected** by data ...a configuration, the data analyst can selectively and automatically configure the manner in which user **response data collected** by data device 12 is analyzed. In addition, such reconfigured graphs can be saved as...

...For example, if the **data** analyst wished to **change** graph 270 of FIG. 15, she can do so by simply pressing graph control button...

...be made. In particular, form 500 includes a graph options form 517 from which the **data** analyst can **change** attributes of graph 270 via graph options fields and graph options buttons contained therein. The... cost-based analysis of a graph depicting average task times for illustrative purposes. When the **data** analyst wants to **change** features of graph 294, she may do so by pressing change settings button 510, upon ...analyst to automatically and selectively choose different data analysis templates 35 to analyze the user **response data collected** by data device 12 under this data model. With existing data analysis tools, the data...

1/3,K/8 (Item 3 from file: 654)

DIALOG(R)File 654:US PAT.FULL.

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4846629 \*\*IMAGE Available

Derwent Accession: 1997-258576

#### Utility

**Method and apparatus for transmitting and displaying information between a remote network and a local computer**

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Examiner: Geckil, Mehmet B. (Art Unit: 212)

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	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6539429	A	20030325	US 2001967160	20010928
Continuation	US 6317789	A		US 99274612	19990323
Continuation	US 5913040	A		US 95517666	19950822

Fulltext Word Count: 8295

Description of the Invention:

...1. **Network** Architecture...

...preferred embodiment of the system architecture. The Local Computer 500 is physically connected to the **Network** Service Provider 701 via a Communications Link 703. The **Network** Service Provider 701 provides access to the **Network** 700. Advertising System Server 600 is one of the nodes on the **Network** 700...Computer 500 preferably includes a Central Processor 510, a Main Memory 511, an Input/Output **Controller** 512, a Display Device 513, input devices such as a Keyboard 514 and a Pointing ...

...connected to an internal or external Modem 520 or like device for communication with the **Network** 700. Alternatively, the Local Computer 500 may be connected via an ISDN adapter and an ISDN line for communications with the **Network** 700. The Modem 520 optionally allows for the establishment of voice calls through software control...b.  
**Network**  
...

...The **Network** 700 is preferably the World-Wide **Internet** . The World-Wide **Internet** (" **Internet** ") is a world-wide **network** connecting thousands of computer **networks** . The dominant protocol used for transmitting information between computers on the **Internet** is the TCP/IP **Network** Protocol. Computers connect to the **Internet** use either a fixed connection, in which case they become a "permanent" node on the **Internet** , or a dial-up connection, in which case then act as a node on the **network** as long as the connection is active. **Internet** addresses are the numbering system used in TCP/IP communications to specify a particular **network** or computer on the **network** with which to communicate...

...Online Inc., CompuServe, available from H&R Block Inc., Prodigy, available from Prodigy Services, Microsoft **Network** , available from Microsoft Corp., as well as other like services from a variety of companies...

...c. **Network** Service Provider...

...The **Network** Service Provider 701 provides access to the **Network** 700. Commercial providers include: ...are to store Advertisements 50, transfer the Advertisements 50 to the Local Computer 500, and **collect** user **feedback** . The Local Computer 500 will initiate communication with the Advertising System Server 600. Each user...be stored on any one of the plurality of advertising system servers connected to the **Network** 700. In this embodiment, the Local Computer 500 initiates communication with a predetermined advertising system...

...advertising system server will select the next Advertisement 50 to be downloaded and transmit the **network** address of the advertising system server storing the Advertisement 50. The Local Computer 500 uses the transmitted **network** address to request the selected Advertisement 50 from the appropriate advertising system server...Thus, the Job Manager address returned to the Local Computer 500 may contain both the **Internet** address of the ...The Job Manager 720 creates a **Network** Job 725 for each user it communicates with. Each **Network** Job 725 communicates with the Local Computer 500 to select and download Advertisements 50; **collect feedback** from the Local Computer 500; check the user's participation and any awards from contests, etc.; and upgrades and installs the Local

Computer 500 software versions. The **Network Job 725** is responsible for selecting the next downloaded Advertisement 50 based on user configuration...

- ...Under most current **network** models, including the current implementation of the **Internet**, users are typically charged based on the amount of time they are connected to specific resources on the **network**. Thus, the current system of downloading advertisements and other information in the background does not...
- ...user, as transmission occurs in background mode while the user is already connected to the **network Service Provider 701**. Future implementations of these **networks**, however, may charge users based on the amount of information, or number of **network "packets"** or other units of data, the user has received. On such **networks**, the system should be able to track the amount of information transmitted, such as by counting the number advertisements, advertisement resources, or **network packets** (also known as "datagrams"), frames, segments or other units of **network data** containing advertisements. The **Network Service Provider 701** may use this information to charge the system generated transmissions to the advertisers rather than the users. The Advertisement System Server 600, and most preferably the **Network Job 725**, will be responsible for tracking the amount of information transmitted by the system...
- ...listings of **network** service providers; billing information; audit logs and statistics. The Server Database 730 also maintains information... Advertising System Server 600 also provides various management services, such as billing information, viewing and **gathering** statistics on **feedback** information, and advertisement display audit-logs which may be sorted according to various filters such...Saver Subsystem 220, User Preference and Advertisements Database 230, Feedback Manager 240, Advertisements Feeder 250, **Internet** Feedback 260, Advertisement Killer 275, Scheduler 265, **Internet** Feeder 270, TCP/IP Polite Agent 280, TCP/IP Protocol Stack 290, and PPP-TCP...
- ...Over Modem Protocol Subsystem 295 handle the lower level details of transferring information to the **Network 700**. The TCP/IP Polite Agent 280 is responsible for monitoring the communications line utilization... The general mechanisms and protocols for communicating with a **network**, such as the **Internet**, or on-line service, are known in the art. See, e.g., Stallings, W., Data...
- ...Macmillan Publishing Co., (1988). The preferred embodiment utilizes the TCP/IP protocol (Transport Control Protocol/ **Internet Protocol**) which is also well known in the art. See, e.g., Martin J., TCP/IP **Networking**, PTR Prentice Hall (1994). The disclosure of each of the foregoing is hereby incorporated by...a standard set of function calls for communicating with other application programs connected to the **Network 700**. Thus the application programs, here the TCP/IP Polite Agent 280, do not have...a) The Advertising System Server 600 **Internet** name or **Internet** addressf) Whether feedback information may be sent to the **Network 700**. User preference information typically includes...this information in selecting the next advertisement to be transmitted. The user preference and configuration **data** may **alternatively** be stored on the Advertising System Server 600...
- ...The Job Manager 720 on the **Network Server 600** matches the user



preferences and configuration data against the category information for the...to browse through Advertisements 50 stored on their local system (hard disk or local LAN **network** ), as well as those Advertisements 50 available from the **Network** 700. For Advertisements 50 stored locally, whether downloaded from the **Network** 700 to the User Preference and Advertisement Database 230 or available on a Local Advertisement...

...201 displays a menu with the available Advertisements 50. Each Advertisement 50 stored on the **Network** 700 or Local Advertisement Database 550 may optionally include a preview segment. The user may...

...user may then select the particular advertisement to be displayed. For Advertisements stored on the **Network** 700, the Advertising System Server 600 will transmit a list of available Advertisements 50. Users... questioners, initiating a WEB browser to connect directly to an advertiser WEB page on the **Network** 700, or automatically initiating a voice connection through the Modem 520 to the advertiser...to the User Preference and Advertisement Database 230. Advertisements 50 preferably are provided from the **Internet** through the **Internet** Feeder 270, however, the Advertisements Feeder 250 is not dependent on the type of advertisement...but rather takes advantage of communications resources once the initial Communications Link 703 with the **Network** Service Provider 701 has been established, thus avoiding additional user charges  
...

...resource utilization remains low and ample resources are available the software agent performs its designated **data** transfer task.  
**Alternatively** , if communications resource utilization becomes ...a response from) the Advertising System Server 600. See, e.g., J. Martin, TCP/IP **Networking** , PTR Prentice Hall Inc. (1994) (pages 147-48), the disclosure of which is hereby incorporated by reference. An alternative method is to "ping" the **Network** Service Provider 701...for a Polite Agent Job 285 embodying the present invention for transmitting data to the **Network** 700. The Polite Agent Job 285 first checks (step A) to see whether this is...285 transmits the name of the file, file position and file block contents to the **Network** 700 via the TCP/IP Protocol Stack 290 (steps I, K). The Polite Agent Job 285 then **updates** the current **file** position and stores it on persistent storage, such as the Local Computer's Mass Storage...Agent Job 285 may consist of a true file type supported by the platform, or, **alternatively** , any block of **data** such as a database record...

...Polite Agent Job 285 uses this threshold to calibrate its operation by calculating how many **network** packets, bytes, or other units of data may be transferred without increasing the load beyond...550. In this embodiment, the Advertisements Feeder 250 includes the selection functionality described for the **Network** Job 725 above. Selected Advertisements 50 are loaded into the User Preference and Advertisement Database...

1/3,K/9 (Item 4 from file: 654)  
DIALOG(R)File 654:US PAT.FULL.  
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4842888 \*\*IMAGE Available  
Utility

**Identification of redundancies and omissions among components of a web based architecture**

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Mitchell, James D., Manhattan Beach, CA  
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Assignee: Accenture LLP (02), Chicago, IL  
Examiner: Khatri, Anil (Art Unit: 212)  
Law Firm: Merchant & Gould P.C.

	Publication Number	Kind	Date	Application Number	Filing Date
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Main Patent	US 6536037	A	20030318	US 99321952	19990527

Fulltext Word Count: 139412

**Description of the Invention:**

...shown) to the bus 71, communication adapter 83 for connecting the workstation to a communication **network** (e.g., a data processing **network** ) and a display adapter 84 for connecting the bus 71 to a display device 85...preferred embodiment of the invention utilizes HyperText Markup Language (HTML) to implement documents on the **Internet** together with a general-purpose secure communication protocol for a transport medium between the client...J. Gettys and J. C. Mogul, "Hypertext Transfer Protocol--HTTP/1.1: HTTP Working Group **Internet** Draft" (May 2, 1996). HTML is a simple data format used to create hypertext documents

Search Report from Ginger R. DeMille

? t1/3,k/all

**1/3,K/1 (Item 1 from file: 340)**  
DIALOG(R) File 340:CLAIMS(R)/US Patent  
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10106316 2002-0049903  
**E/DATABASE MANAGEMENT SYSTEMS AND METHODS OF OPERATING THE SAME**  
Inventors: Balcombe Jeffrey D (US); Rucinski Dean (US); Ussery Troy A (US)  
Assignee: Unassigned Or Assigned To Individual  
Assignee Code: 68000

	Kind	Publication Number	Date	Application Number	Date
	A1	US 20020049903	20020425	US 2000751246	20001229
Cont.-in-part of:		PENDING		US 2000694425	20001023
Priority Applic:				US 2000751246	20001229
				US 2000694425	20001023

Non-exemplary Claims: ...20. The electronic commerce system for use over a global communications **network** recited in claim 19 wherein said communications **controller** is further operable to process said **gathered feedback** information and, in response thereto, **modify** ones of said **data** files...